

Message

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**From:** Wilson, Scott [Wilson.Js@epa.gov]  
**Sent:** 2/28/2017 1:29:18 PM  
**To:** McKim, Krista [mckim.krista@epa.gov]  
**Subject:** RE: Water Flowpath analysis from Minntac to surface waters

Thanks for sharing. It looks like the state folks have some work to do.

Scott Wilson  
Energy Permitting Coordinator  
Industrial Permits Branch  
USEPA Office of Wastewater Management  
1200 Pennsylvania Ave., NW  
Washington, DC 20460  
202-564-6087  
Mail Code: 4203m

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**From:** McKim, Krista  
**Sent:** Thursday, February 23, 2017 5:57 PM  
**To:** Wilson, Scott <Wilson.Js@epa.gov>  
**Subject:** FW: Water Flowpath analysis from Minntac to surface waters

Hi Scott, here is another FYI regarding US Steel-minntac. An R5 Tribal agency is providing this particle tracking model to try to describe the flowpath of discharge from the basin to surface waters on the east side.

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**From:** john.coleman [mailto:jcoleman@glifwc.org]  
**Sent:** Thursday, February 23, 2017 2:51 PM  
**To:** McKim, Krista <mckim.krista@epa.gov>  
**Subject:** Fwd: Water Flowpath analysis from Minntac to surface waters

FYI

----- Forwarded Message -----

**Subject:** Water Flowpath analysis from Minntac to surface waters  
**Date:** Thu, 23 Feb 2017 14:05:29 -0600  
**From:** john.coleman <jcoleman@glifwc.org>  
**To:** Smith, Erik (MPCA) <Erik.Smith@state.mn.us>  
**CC:** Pierard, Kevin <Pierard.Kevin@epamail.epa.gov>, Korleski, Christopher <korleski.christopher@epa.gov>, Cummins, Constance <ccummins@fs.fed.us>, Nancy Schuldt <NancySchuldt@FDLREZ.COM>, Jonathan Gilbert <jgilbert@glifwc.org>, Ann McCammon\_Soltis <amsoltis@glifwc.org>

Erik,

Attached is a technical memo re: flowpath analysis from the east berm and the eastern half of the north berm of the Minntac tailings basin. It looks at flowpaths of basin water through the berm to receiving surface waters. I hope it is useful in revision of the Minntac draft NPDES permit.

thanks,  
john  
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